

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN101619\
 Data File : VN058810.D
 Acq On : 16 Oct 2019 18:24
 Operator : JC/SP
 Sample : K5399-01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 FA19-MMW0006

Quant Time: Oct 17 01:35:21 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N101319W.M
 Quant Title : SW846 8260
 QLast Update : Sat Oct 12 00:00:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	386044	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	619669	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	548607	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	208503	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.01	65	297272	55.00	ug/l	0.00
Spiked Amount			Recovery	=	110.00%	
35) Dibromofluoromethane	7.57	113	209953	54.85	ug/l	0.00
Spiked Amount			Recovery	=	109.70%	
50) Toluene-d8	10.08	98	792637	51.79	ug/l	0.00
Spiked Amount			Recovery	=	103.58%	
62) 4-Bromofluorobenzene	12.41	95	253416	43.74	ug/l	0.00
Spiked Amount			Recovery	=	87.48%	

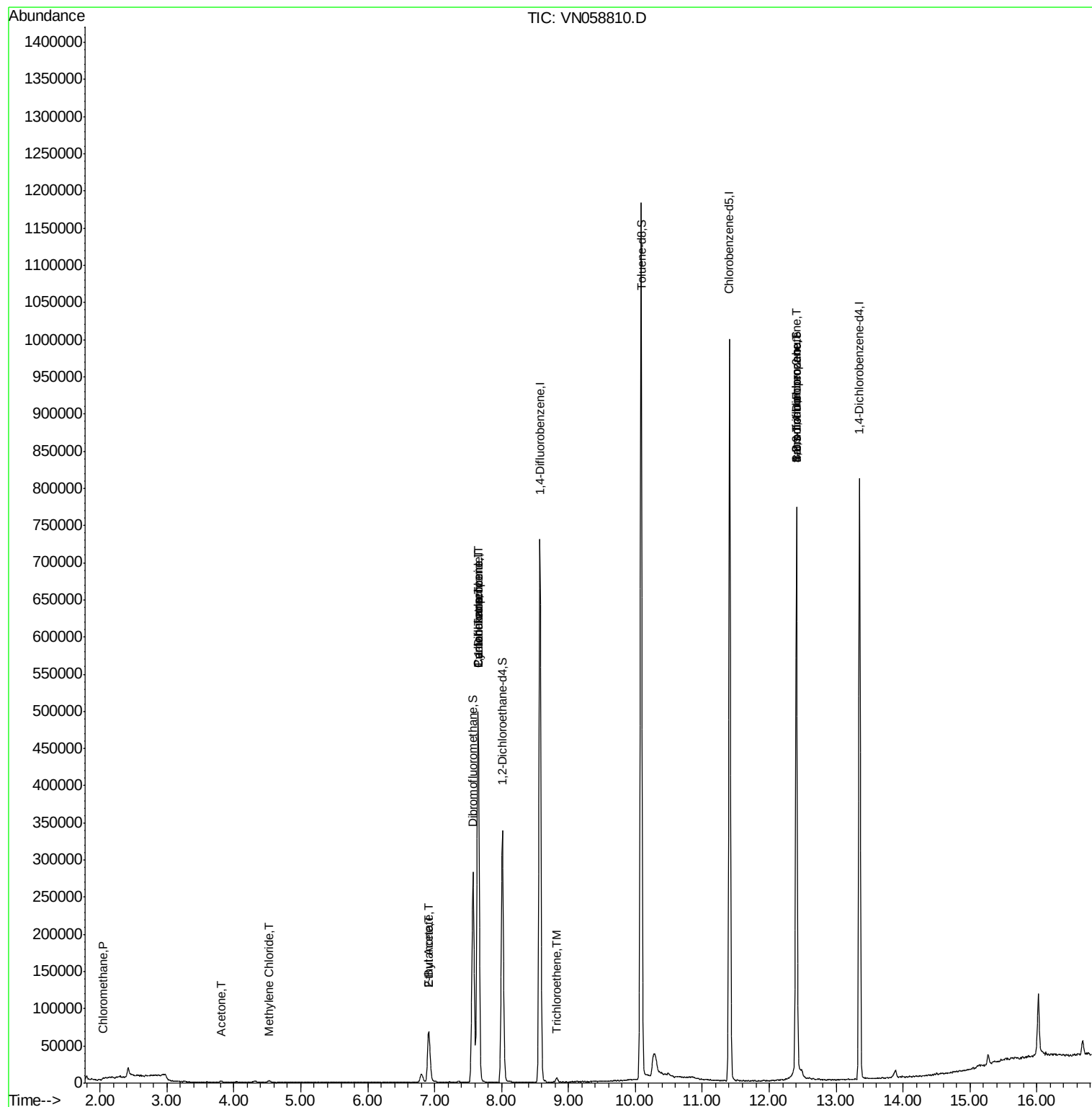
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.04	50	1352	0.236	ug/l #	79
16) Acetone	3.80	43	3006	1.343	ug/l #	82
20) Methylene Chloride	4.53	84	1622	0.347	ug/l #	77
25) 2-Butanone	6.91	43	117076	36.202	ug/l #	50
31) Cyclohexane	7.65	56	9588	1.209	ug/l #	9
36) 1,1-Dichloropropene	7.65	75	33724	5.383	ug/l #	51
37) Ethyl Acetate	6.91	43	117076	18.477	ug/l	99
38) Carbon Tetrachloride	7.65	117	39849	6.526	ug/l #	16
44) Trichloroethene	8.82	130	1950	0.436	ug/l	72
71) Bromoform	12.41	173	1600	0.530	ug/l #	1
76) 1,2,3-Trichloropropane	12.41	75	136427	29.826	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.41	75	136427	79.895	ug/l #	11

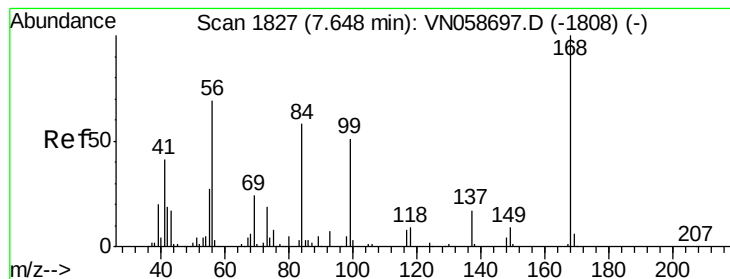
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1827

Delta R.T. 0.00 min

Lab File: VN058810.D

Acq: 16 Oct 2019 18:24

Instrument :

MSVOA_N

ClientSampleId :

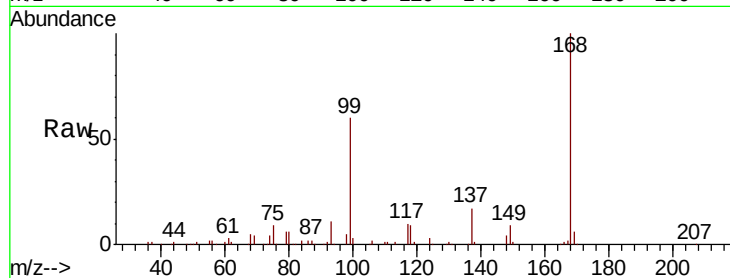
FA19-MMW0006

Tot Ion:168 Resp: 386044

Ion Ratio Lower Upper

168 100

99 60.2 47.5 71.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.65

150000

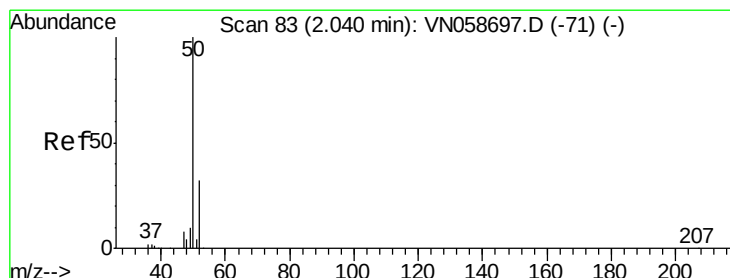
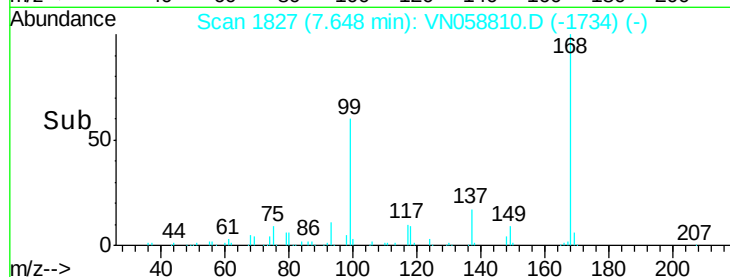
100000

50000

0

7.60 7.70

Time-->



#3

Chloromethane

Concen: 0.236 ug/l

RT: 2.04 min Scan# 83

Delta R.T. 0.00 min

Lab File: VN058810.D

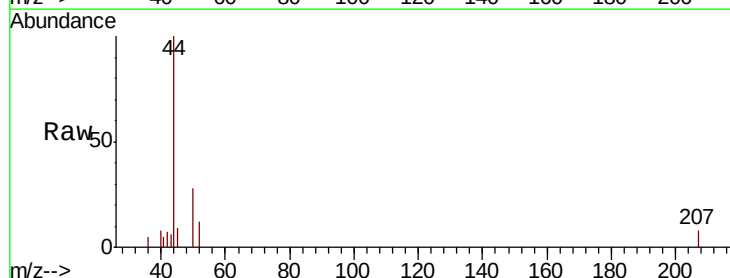
Acq: 16 Oct 2019 18:24

Tgt Ion: 50 Resp: 1352

Ion Ratio Lower Upper

50 100

52 44.2 25.8 38.6#



Abundance Ion 49.90 (49.60 to 50.60): VN

Ion 51.90 (51.60 to 52.60): VN

2.04

1000

800

600

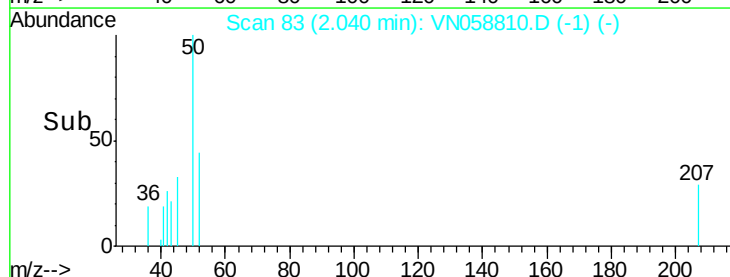
400

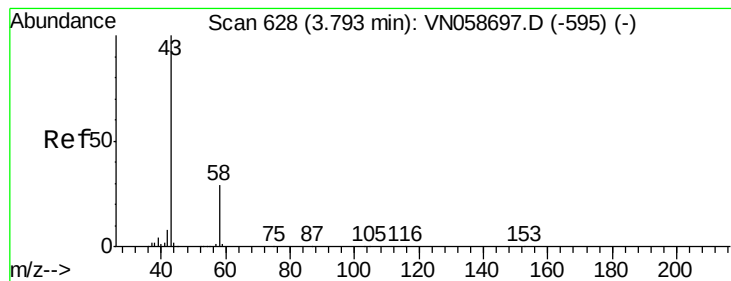
200

0

2.00 2.02 2.04 2.06

Time-->





#16

Acetone

Concen: 1.343 ug/l

RT: 3.80 min Scan# 631

Delta R.T. 0.01 min

Lab File: VN058810.D

Acq: 16 Oct 2019 18:24

Instrument :

MSVOA_N

ClientSampleId :

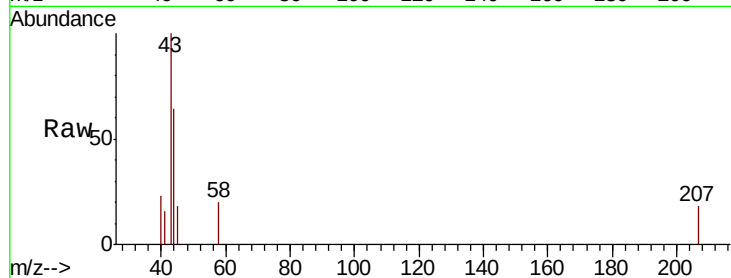
FA19-MMW0006

Tot Ion: 43 Resp: 3006

Ion Ratio Lower Upper

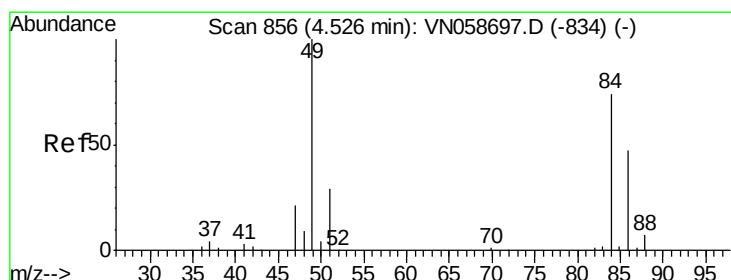
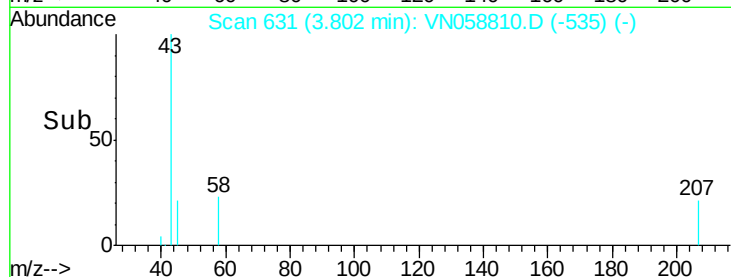
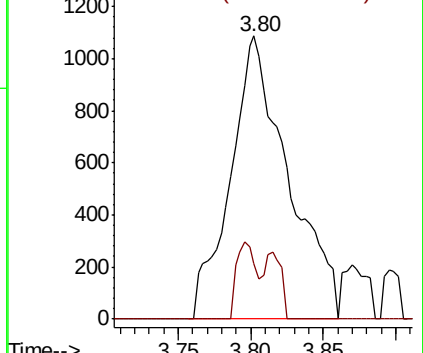
43 100

58 19.6 23.3 34.9#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#20

Methylene Chloride

Concen: 0.347 ug/l

RT: 4.53 min Scan# 857

Delta R.T. 0.00 min

Lab File: VN058810.D

Acq: 16 Oct 2019 18:24

Tgt Ion: 84 Resp: 1622

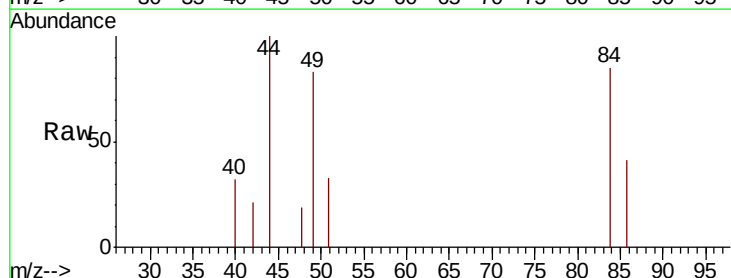
Ion Ratio Lower Upper

84 100

49 97.8 107.6 161.4#

51 39.0 31.4 47.0

86 48.3 50.3 75.5#

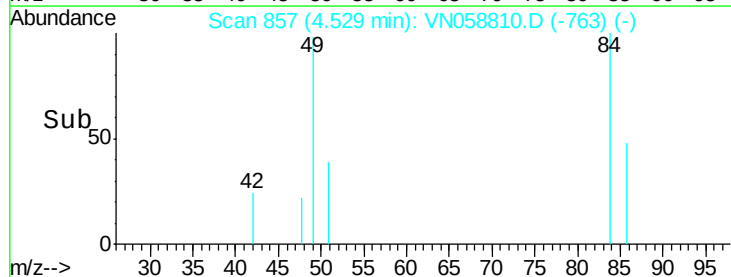
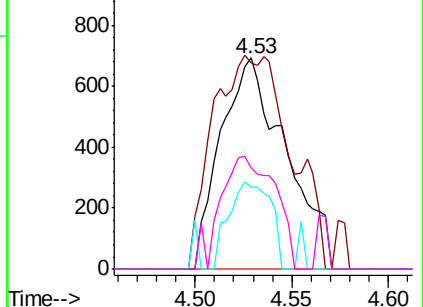


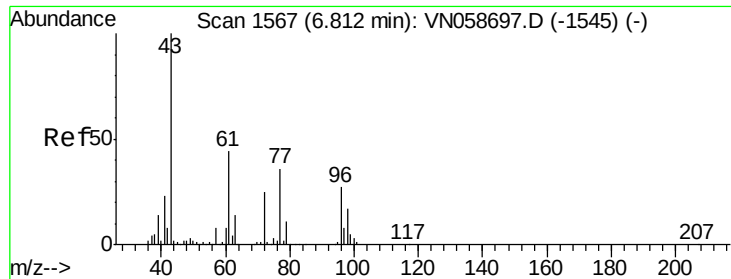
Abundance Ion 83.90 (83.60 to 84.60): VN0

Ion 48.90 (48.60 to 49.60): VN0

Ion 50.90 (50.60 to 51.60): VN0

Ion 85.90 (85.60 to 86.60): VN0

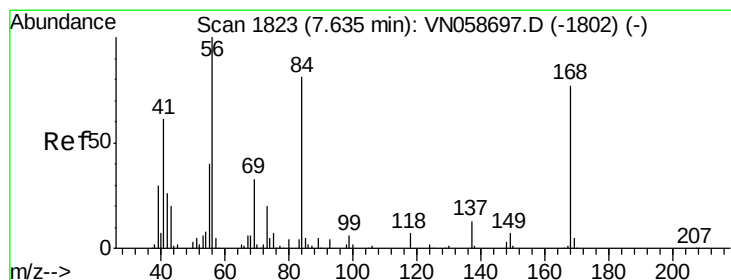
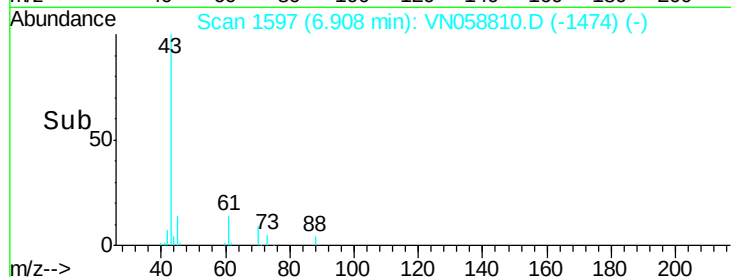
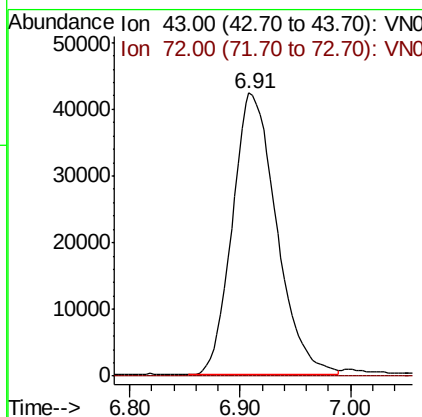
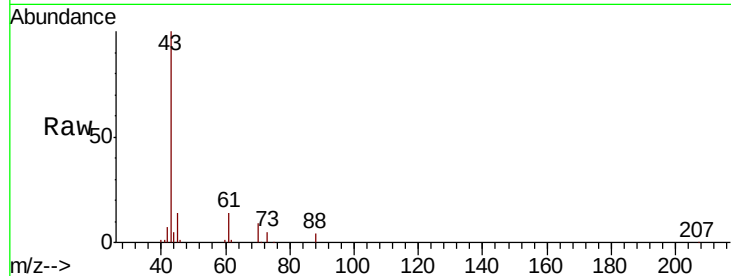




#25
2-Butanone
Concen: 36.202 ug/l
RT: 6.91 min Scan# 1597
Delta R.T. 0.10 min
Lab File: VN058810.D
Acq: 16 Oct 2019 18:24

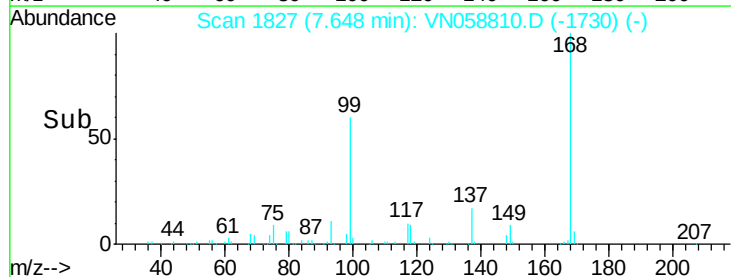
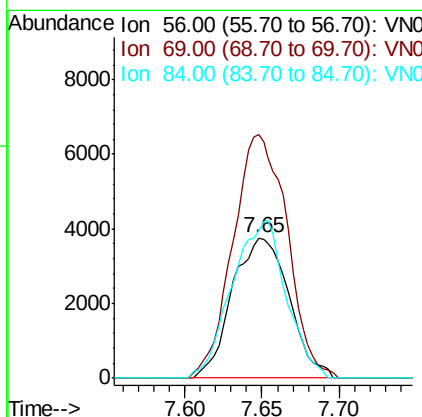
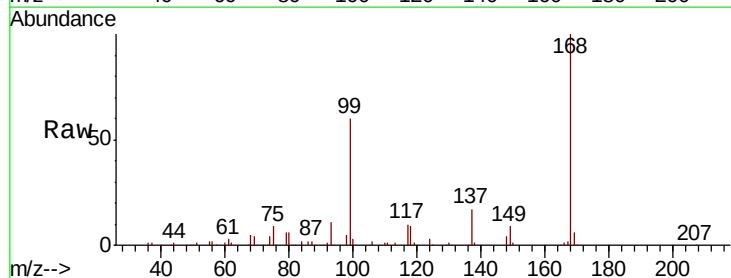
Instrument :
MSVOA_N
ClientSampleId :
FA19-MMW0006

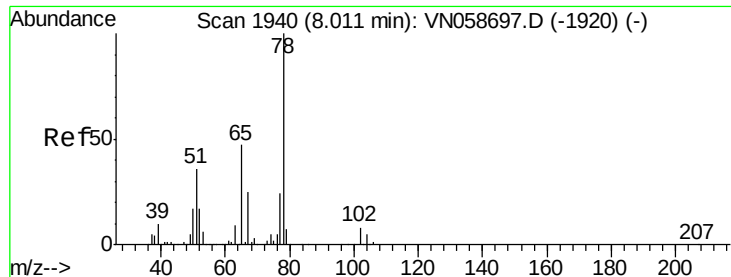
Tot Ion: 43 Resp: 117076
Ion Ratio Lower Upper
43 100
72 0.0 20.2 30.2#



#31
Cyclohexane
Concen: 1.209 ug/l
RT: 7.65 min Scan# 1827
Delta R.T. 0.01 min
Lab File: VN058810.D
Acq: 16 Oct 2019 18:24

Tgt Ion: 56 Resp: 9588
Ion Ratio Lower Upper
56 100
69 173.3 26.2 39.4#
84 105.1 64.9 97.3#

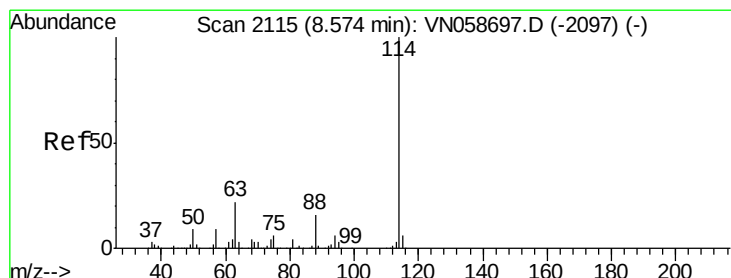
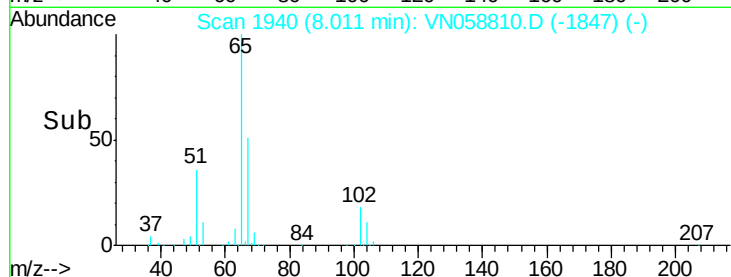
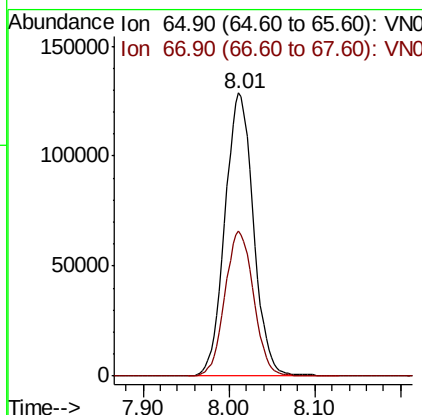
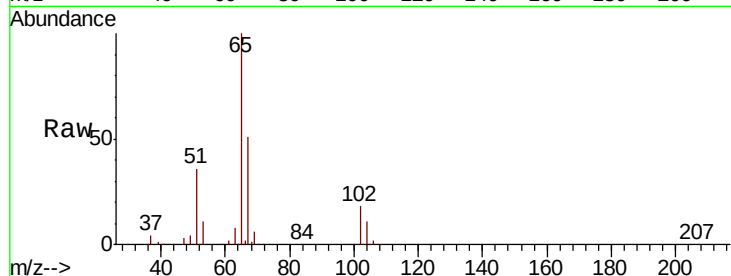




#33
 1,2-Dichloroethane-d4
 Concen: 55.004 ug/l
 RT: 8.01 min Scan# 1940
 Delta R.T. 0.00 min
 Lab File: VN058810.D
 Acq: 16 Oct 2019 18:24

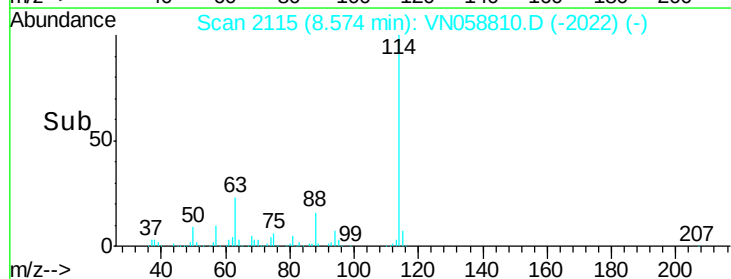
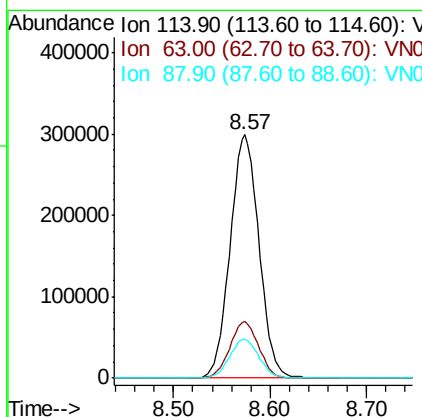
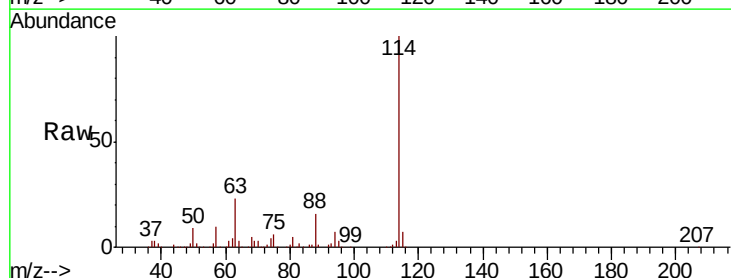
Instrument :
 MSVOA_N
 ClientSampleId :
 FA19-MMW0006

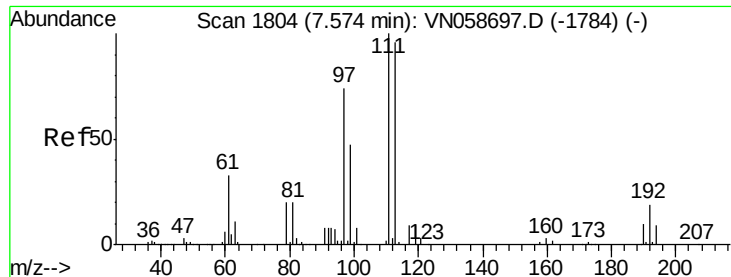
Tot Ion: 65 Resp: 297272
 Ion Ratio Lower Upper
 65 100
 67 51.6 0.0 103.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2115
 Delta R.T. 0.00 min
 Lab File: VN058810.D
 Acq: 16 Oct 2019 18:24

Tgt Ion: 114 Resp: 619669
 Ion Ratio Lower Upper
 114 100
 63 23.1 0.0 43.8
 88 16.1 0.0 32.0

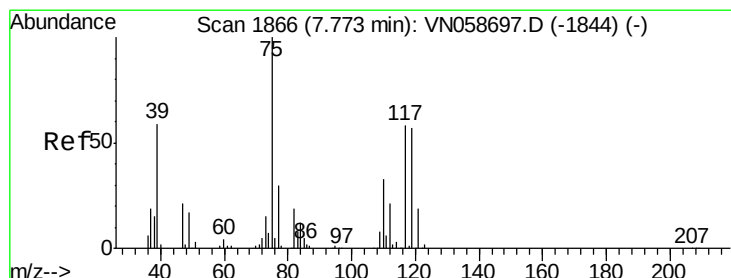
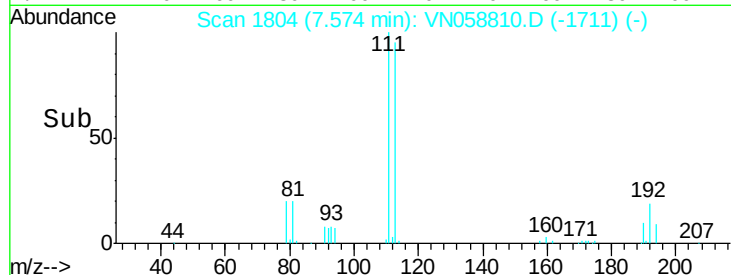
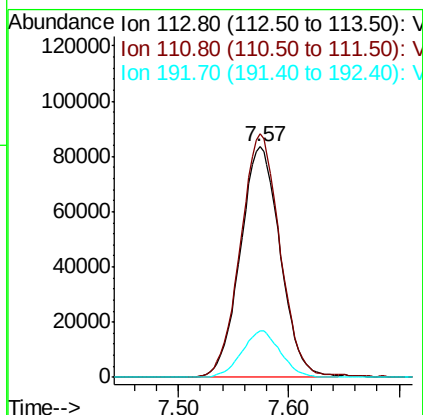
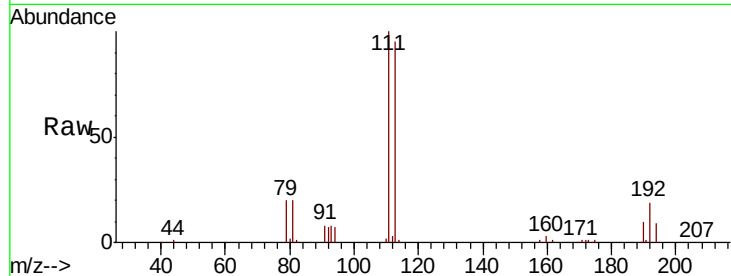




#35
 Dibromofluoromethane
 Concen: 54.853 ug/l
 RT: 7.57 min Scan# 1804
 Delta R.T. 0.00 min
 Lab File: VN058810.D
 Acq: 16 Oct 2019 18:24

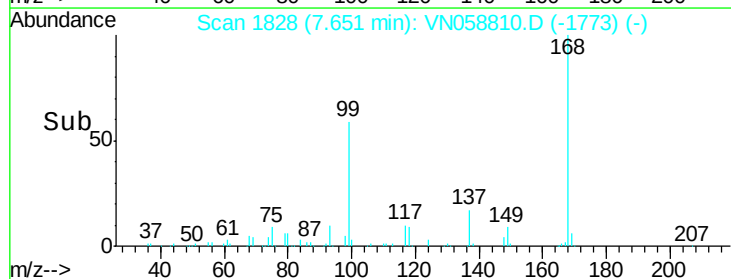
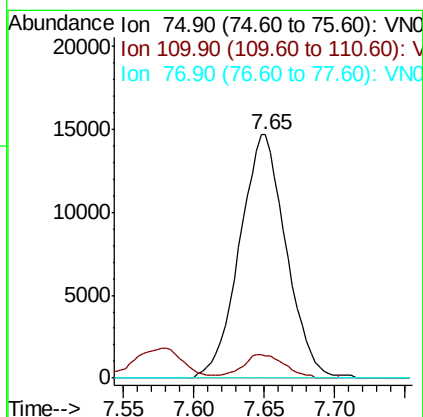
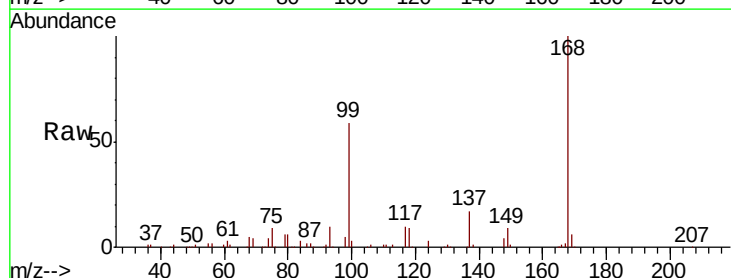
Instrument :
 MSVOA_N
 ClientSampleId :
 FA19-MMW0006

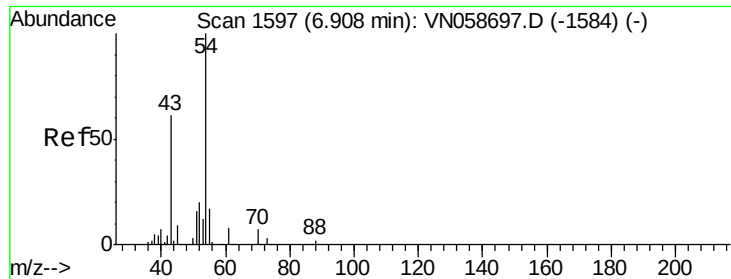
Tot Ion	Ratio	Lower	Upper
113	100		
111	104.1	82.3	123.5
192	19.5	15.0	22.6



#36
 1,1-Dichloropropene
 Concen: 5.383 ug/l
 RT: 7.65 min Scan# 1828
 Delta R.T. -0.12 min
 Lab File: VN058810.D
 Acq: 16 Oct 2019 18:24

Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.1	16.6	49.8#
77	0.0	24.6	37.0#

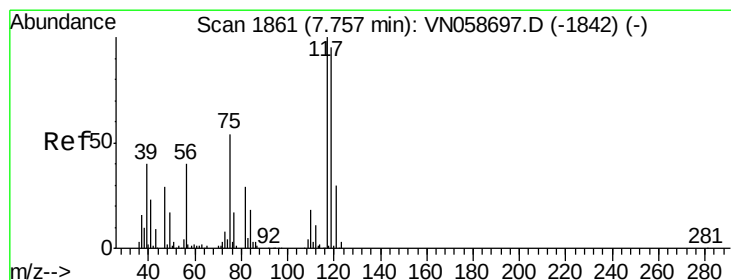
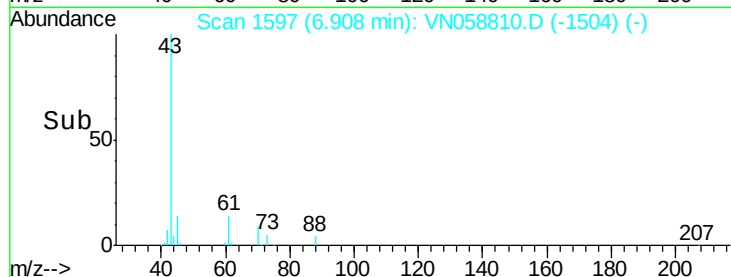
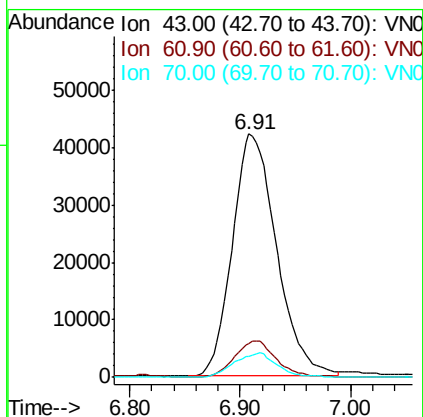
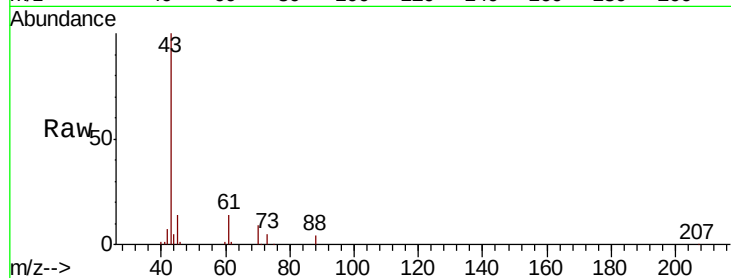




#37
Ethyl Acetate
Concen: 18.477 ug/l
RT: 6.91 min Scan# 1597
Delta R.T. 0.00 min
Lab File: VN058810.D
Acq: 16 Oct 2019 18:24

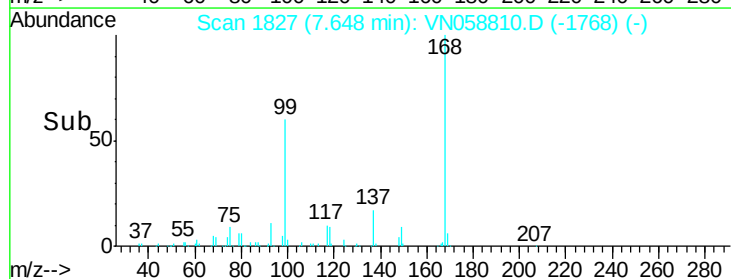
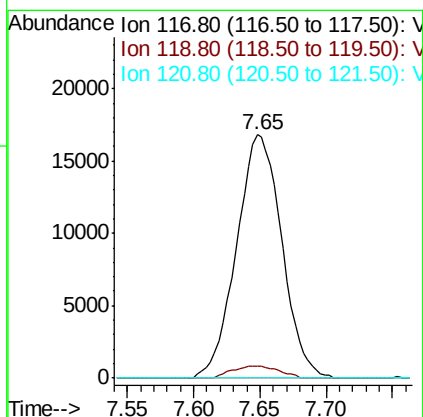
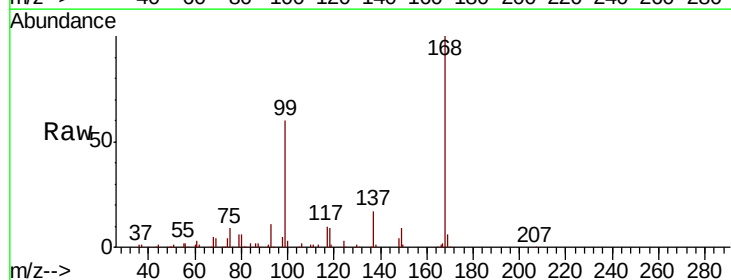
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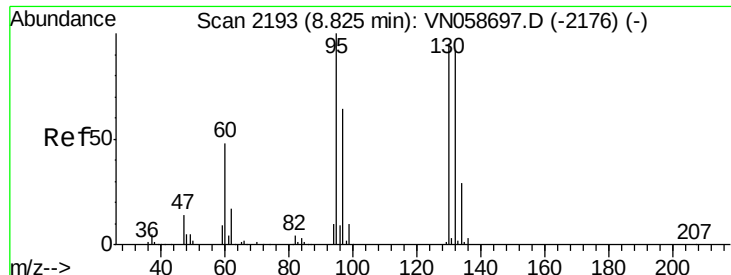
Tot Ion: 43 Resp: 117076
Ion Ratio Lower Upper
43 100
61 14.4 11.3 16.9
70 9.9 7.2 10.8



#38
Carbon Tetrachloride
Concen: 6.526 ug/l
RT: 7.65 min Scan# 1827
Delta R.T. -0.11 min
Lab File: VN058810.D
Acq: 16 Oct 2019 18:24

Tgt Ion: 117 Resp: 39849
Ion Ratio Lower Upper
117 100
119 5.0 75.7 113.5#
121 0.0 23.9 35.9#





#44

Trichloroethene

Concen: 0.436 ug/l

RT: 8.82 min Scan# 2192

Delta R.T. -0.00 min

Lab File: VN058810.D

Acq: 16 Oct 2019 18:24

Instrument :

MSVOA_N

ClientSampleId :

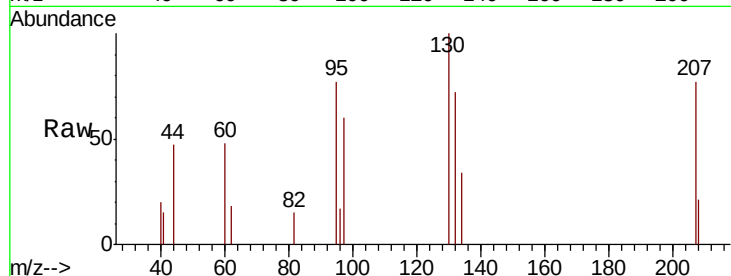
FA19-MMW0006

Tot Ion:130 Resp: 1950

Ion Ratio Lower Upper

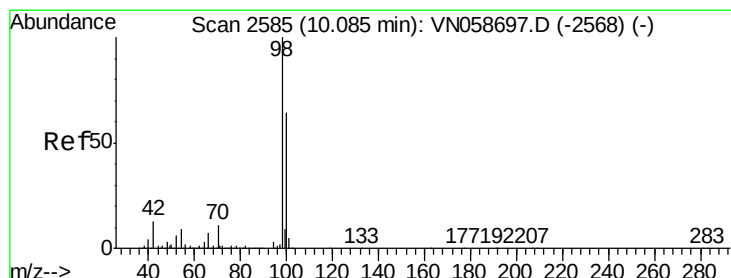
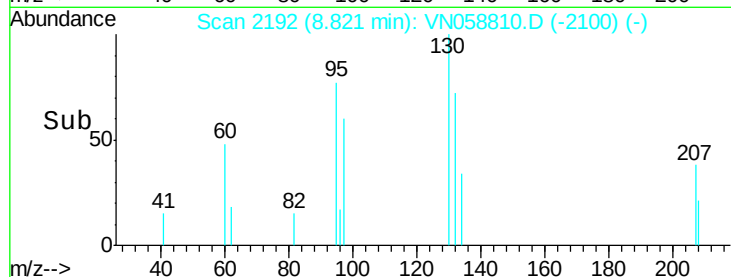
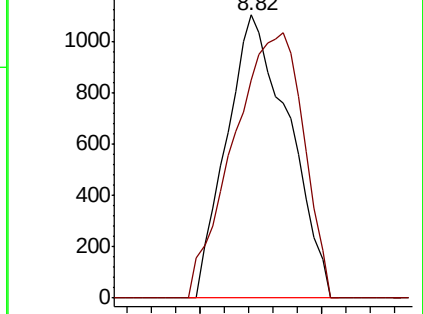
130 100

95 76.8 0.0 211.2



Abundance Ion 129.80 (129.50 to 130.50): VN058697.D (-2176) (-)

Ion 94.90 (94.60 to 95.60): VN058697.D (-2176) (-)



#50

Toluene-d8

Concen: 51.786 ug/l

RT: 10.08 min Scan# 2585

Delta R.T. 0.00 min

Lab File: VN058810.D

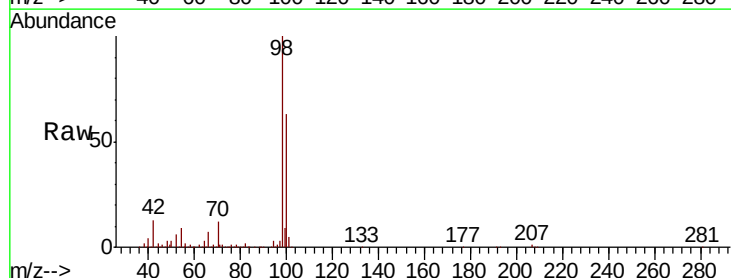
Acq: 16 Oct 2019 18:24

Tgt Ion: 98 Resp: 792637

Ion Ratio Lower Upper

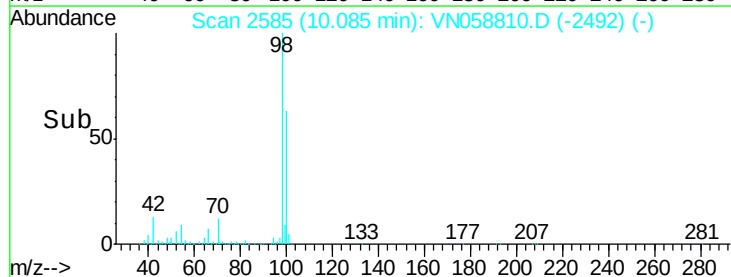
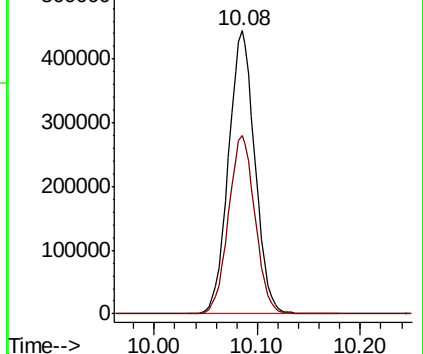
98 100

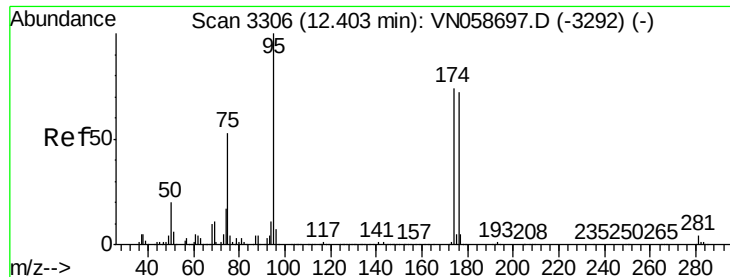
100 63.4 51.1 76.7



Abundance Ion 98.00 (97.70 to 98.70): VN058697.D (-2568) (-)

Ion 100.00 (99.70 to 100.70): VN058697.D (-2568) (-)





#62

4-Bromofluorobenzene

Concen: 43.740 ug/l

RT: 12.41 min Scan# 3307

Delta R.T. 0.00 min

Lab File: VN058810.D

Acq: 16 Oct 2019 18:24

Instrument :

MSVOA_N

ClientSampleId :

FA19-MMW0006

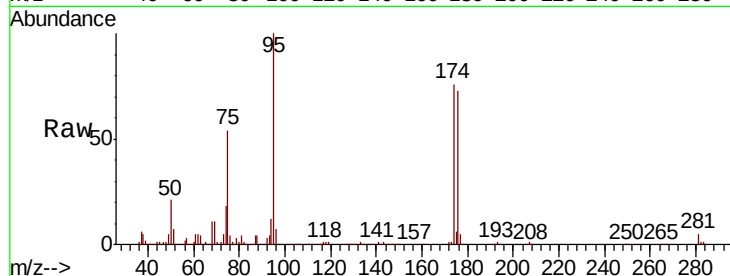
Tot Ion: 95 Resp: 253416

Ion Ratio Lower Upper

95 100

174 75.8 0.0 150.4

176 72.7 0.0 146.8



Abundance Ion 94.90 (94.60 to 95.60): VN058810.D (-3292) (-)

Ion 173.80 (173.50 to 174.50): VN058810.D (-3292) (-)

Ion 175.80 (175.50 to 176.50): VN058810.D (-3292) (-)

12.41

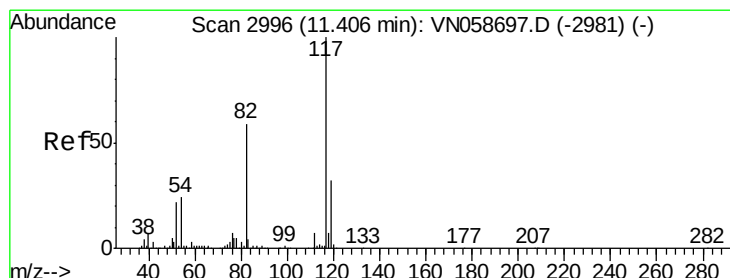
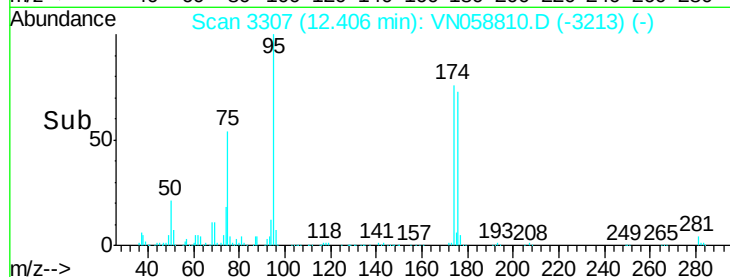
150000

100000

50000

0

Time--> 12.30 12.40 12.50



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN058810.D

Acq: 16 Oct 2019 18:24

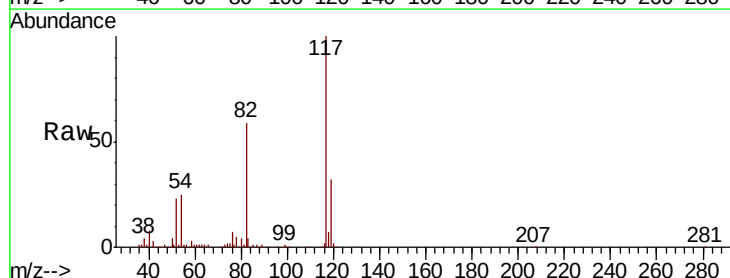
Tgt Ion: 117 Resp: 548607

Ion Ratio Lower Upper

117 100

82 58.6 47.0 70.4

119 31.5 25.4 38.2



Abundance Ion 116.90 (116.60 to 117.60): VN058810.D (-2903) (-)

Ion 82.00 (81.70 to 82.70): VN058810.D (-2903) (-)

Ion 118.90 (118.60 to 119.60): VN058810.D (-2903) (-)

11.41

400000

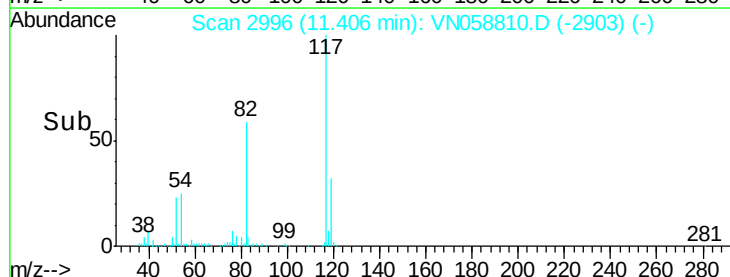
300000

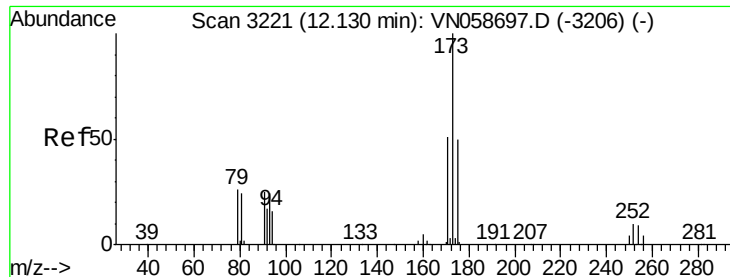
200000

100000

0

Time--> 11.30 11.40 11.50





#71

Bromoform

Concen: 0.530 ug/l

RT: 12.41 min Scan# 3307

Delta R.T. 0.28 min

Lab File: VN058810.D

Acq: 16 Oct 2019 18:24

Instrument :

MSVOA_N

ClientSampleId :

FA19-MMW0006

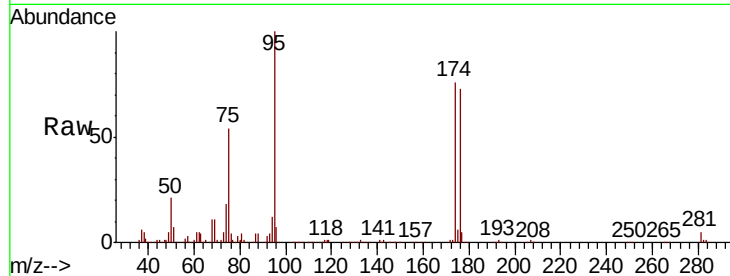
Tot Ion:173 Resp: 1600

Ion Ratio Lower Upper

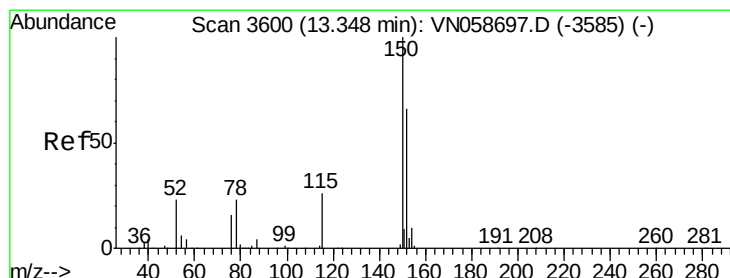
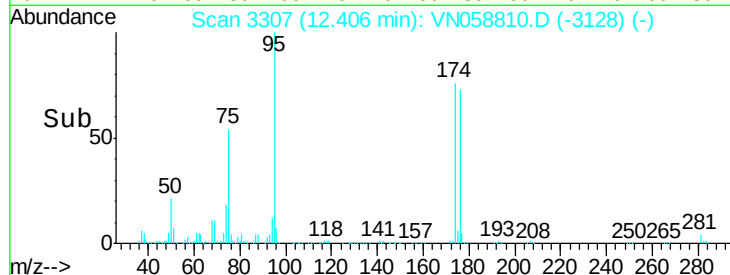
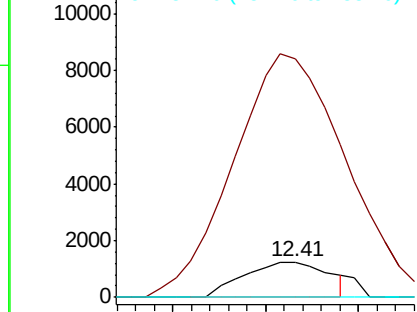
173 100

175 774.1 24.6 73.8#

254 0.0 0.1 0.1#



Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3600

Delta R.T. 0.00 min

Lab File: VN058810.D

Acq: 16 Oct 2019 18:24

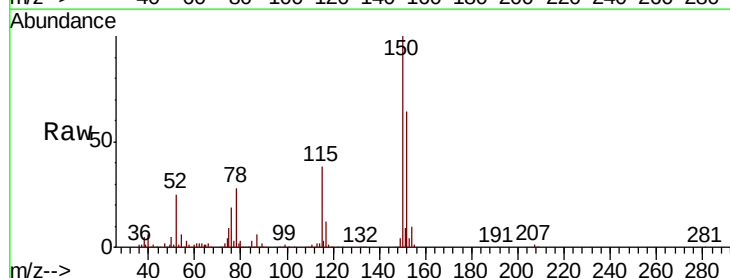
Tgt Ion:152 Resp: 208503

Ion Ratio Lower Upper

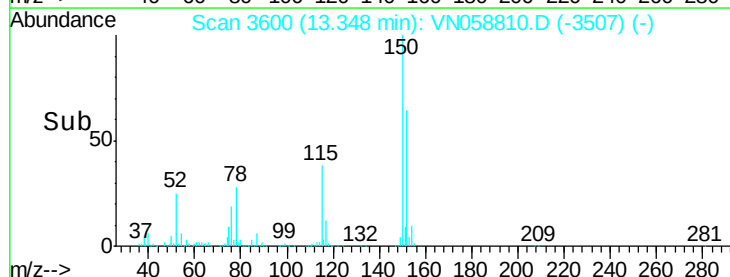
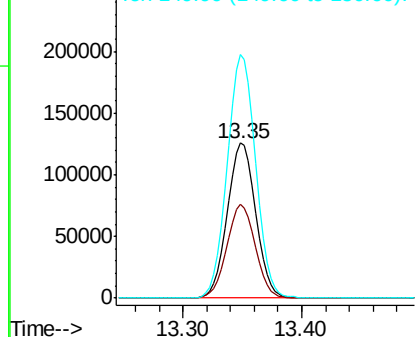
152 100

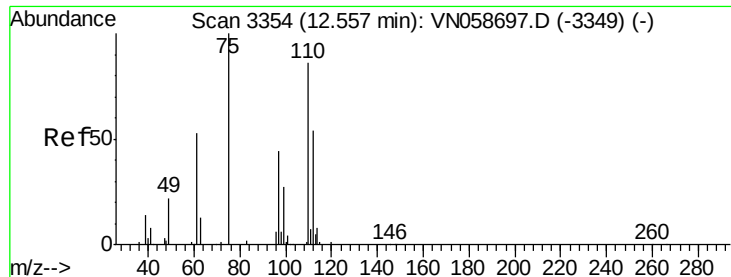
115 60.4 30.4 91.2

150 156.8 0.0 345.4



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 29.826 ug/l

RT: 12.41 min Scan# 3307

Delta R.T. -0.15 min

Lab File: VN058810.D

Acq: 16 Oct 2019 18:24

Instrument :

MSVOA_N

ClientSampleId :

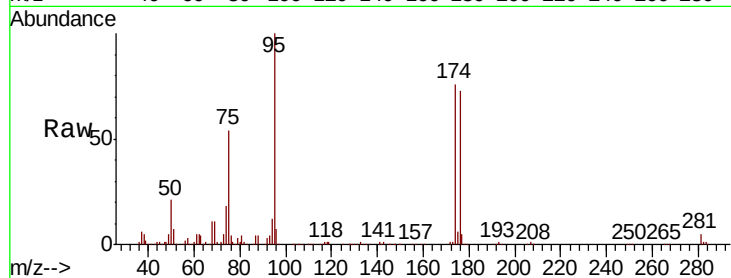
FA19-MMW0006

Tot Ion: 75 Resp: 136427

Ion Ratio Lower Upper

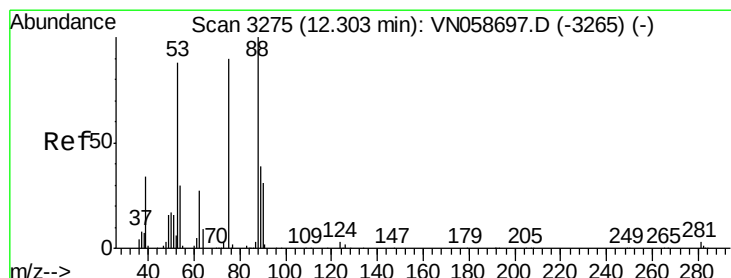
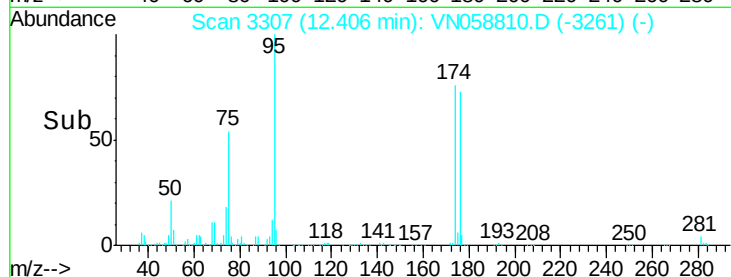
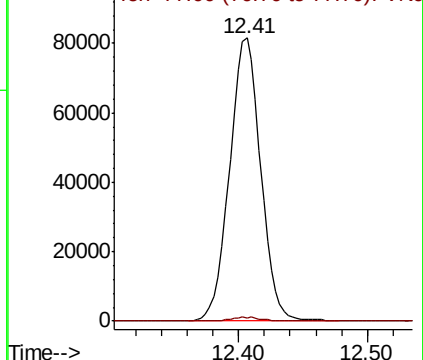
75 100

77 1.4 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 77.00 (76.70 to 77.70): VNO



#81

trans-1,4-Dichloro-2-butene

Concen: 79.895 ug/l

RT: 12.41 min Scan# 3307

Delta R.T. 0.10 min

Lab File: VN058810.D

Acq: 16 Oct 2019 18:24

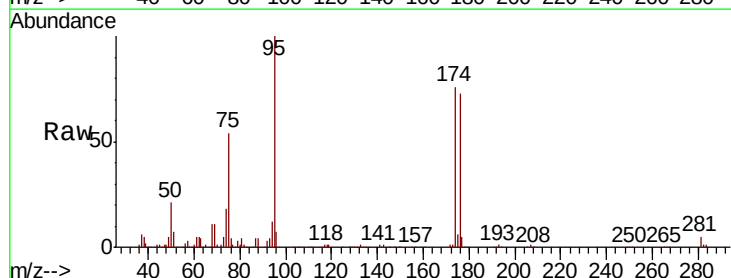
Tgt Ion: 75 Resp: 136427

Ion Ratio Lower Upper

75 100

53 0.0 78.4 117.6#

89 0.0 34.9 52.3#



Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 53.00 (52.70 to 53.70): VNO

Ion 88.90 (88.60 to 89.60): VNO

